

Daimler Chrysler AG

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Patent Claims

1. A control system (1) for a motor vehicle, having
- a manual actuating means (3) with a plurality of
10 degrees of freedom of adjustment for selecting and/or
activating entries in a menu structure with a plurality
of menu levels and

- a screen display (2) having a plurality of display
areas (210 to 250) for displaying the menu structure,
15 the display areas (210 to 250) each comprising at least
one field for displaying one of the entries (1.1 to
5.7),

characterized in that in an active display area in at
least one level of the menu structure at least two
20 entries (3.5, 3.6) are assigned to a settable parameter
for setting with the manual actuating means (3), a
first entry (3.5) being an analog display of the
settable parameter, and a second entry (3.6) being a
digital display of the settable parameter.

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2. The control system as claimed in claim 1,
characterized in that the at least one parameter can be
set by means of an adjustment movement with a first
and/or a second and/or a third and/or a fourth of the
30 plurality of degrees of freedom of adjustment of the
manual actuating means (3).

3. The control system as claimed in claim 2,
characterized in that the setting which is performed by
35 actuating the actuating means (3) with a fifth degree
of freedom of adjustment is stored and the active
display area (230.2) is exited and closed.

4. The control system as claimed in claim 2 or 3, characterized in that at least one of the degrees of freedom of adjustment of the manual actuating means (3) corresponds to orientation of the parameter which is
5 displayed in one of the entries (3.5, 3.6).

5. The control system as claimed in one of claims 2 to 4, characterized in that the settable parameter comprises a plurality of settable subparameters, one of
10 which can be selected in each case by actuating the manual actuating means (3) with a sixth or seventh degree of freedom of adjustment.

6. The control system as claimed in claim 5,
15 characterized in that the subparameter which is selected for the purpose of setting is visually highlighted by means of a changed graphic display.

7. The control system as claimed in one of claims 1
20 to 6, characterized in that the at least one parameter represents a time.

8. The control system as claimed in claim 7,
characterized in that a first subparameter represents
25 the hours, a second subparameter represents the minutes and a third subparameter represents the seconds.

9. The control system as claimed in one of claims 2 to 8, characterized in that
30 - the first degree of freedom of adjustment is pushing of the manual actuating means (3) in a positive y direction,
- the second degree of freedom of adjustment is pushing of the manual actuating means (3) in a negative y direction,
35 - the third degree of freedom of adjustment is rotation of the manual actuating means (3) in the clockwise direction about a z axis,

- the fourth degree of freedom of adjustment is rotation of the manual actuating means (3) in the counterclockwise direction about a z axis, and
- the fifth degree of freedom of adjustment is 5 pressing of the manual actuating means (3) in a negative z direction of an xyz coordinate system.

10. The control system as claimed in one of claims 1 to 16, characterized in that

- 10 - the sixth degree of freedom of adjustment is pushing of the manual actuating means (3) in a positive x direction, and
- the seventh degree of freedom of adjustment is pushing of the manual actuating means (3) in a negative 15 x direction.